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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: February 12, 2003

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First Named Inventor	Haruhiko MURATA			
Group Art Unit	2827			
Examiner Name	J. Norris			
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Examiner Cite No.1	 U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 Number	Kind Code² (if known)			
	 	 			

Cite	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	T
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A1		2-46794		JAPAN	02/16/1990		X
A2		2-58229	,	JAPAN	02/27/1990		X
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A4		5-33531	1	JAPAN	12/17/1993		\rightarrow
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	A1 A2 A3	No.1 Office ³ A1 A2 A3	No.1 Office ³ Number ⁴ A1 2-4679 ⁴ A2 2-58229 A3 4-03713	No.¹ Office³ Number⁴ Kind Code⁵ (if known) A1 2-46794 A2 2-58229 A3 4-037137	No.1 Office3 Number4 Kind Code5 (if known) Applicant of Cited Documents A1 2-46794 JAPAN A2 2-58229 JAPAN A3 4-037137 JAPAN	Cite No.1 Foreign Patent Document No.1 Name of Patentee or Applicant of Cited Documents Cited Document MM-DD-YYYY A1 2-46794 JAPAN 02/16/1990 A2 2-58229 JAPAN 02/27/1990 A3 4-037137 JAPAN 02/07/1992	Cite No.1 Foreign Patent Document No.1 Name of Patentee or Applicant of Cited Documents Cited Document MM-DD-YYYY Where Relevant Passages or Relevant Figures Appear A1 2-46794 JAPAN 02/16/1990 A2 2-58229 JAPAN 02/27/1990 A3 4-037137 JAPAN 02/07/1992

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Signature Lerging Marris Considered 4-4-	Examiner Signature	Jereny Marris	Date Considered 9-4-03
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